DB22320 (Tentative)

Silicon epitaxial planar type

For rectification

Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	30	V	
Repetitive peak reverse voltage	V _{RRM}	30	V	
Forward current (Average)	I _{F(AV)}	1.5	A	
Non-repetitive peak forward surge current *	I _{FSM}	30	A	
Junction temperature	T _j	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Note) *: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

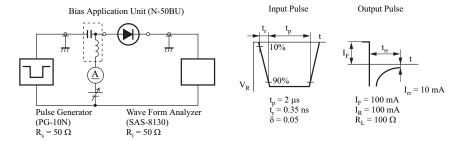
■ Package

- Code
 - Mini2-F4-B
- Pin Name
 - 1: Cathode
 - 2: Anode
- Marking Symbol: B5

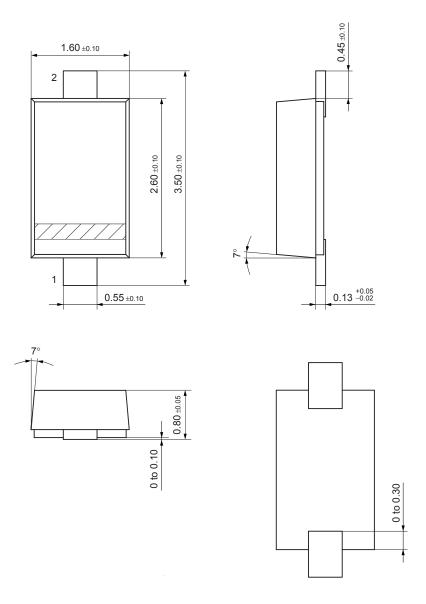
■ Electrical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 0.5 A$			0.38	V
	V_{F2}	$I_{\rm F} = 1.0 \text{ A}$			0.42	
Reverse current	I_R	$V_R = 30 \text{ V}$			100	μΑ
Terminal capacitance	C _t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		47		pF
Reverse recovery time *	t _{rr}	$\begin{aligned} I_F &= I_R = 100 \text{ mA}, I_{rr} = 0.1 \times I_R, \\ R_L &= 100 \Omega \end{aligned}$		15		ns

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. *: t_{rr} measurement circuit



Mini2-F4-B Unit: mm



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